


Substitute for Form PTO-1390		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371	ATTORNEY'S DOCKET NUMBER 034279-010 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/550095
INTERNATIONAL APPLICATION NO. PCT/GB2004/001251	INTERNATIONAL FILING DATE 22 March 2004 (22.03.2004)	PRIORITY DATE CLAIMED 21 March 2003 (21.03.2003)	
TITLE OF INVENTION PHOTONIC BANDGAP OPTICAL WAVEGUIDE WITH ANTI-RESONANT CORE BOUNDARY			
APPLICANT(S) FOR DO/EO/US RUSSELL, Philip St. John; ROBERTS, Peter John; and WILLIAMS, David Philip			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
1. <input checked="" type="checkbox"/> This is a FIRST submission to items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below. 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).			
Items 11 to 21 below concern document(s) or information included:			
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A change of power of attorney and/or address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: <u>General Authorization for Petitions for Extensions and Payment of Fees; and Application Data Sheet</u> _____ _____ _____			

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER			
10/550095		PCT/GB2004/001251		034279-010			
21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>Crystal Fibre A/S, Birkerød, Denmark</u> _____ _____ _____ _____ _____				CALCULATIONS PTO USE ONLY			
						22. <input checked="" type="checkbox"/> The following fees are submitted:	
Basic Filing Fee (1631)				\$ 300.00			
Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than _____ months from the earliest claimed priority date (37 CFR 1.492(e)). <input type="checkbox"/> 20 <input type="checkbox"/> 30							
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$			
Total Claims	20	- 20 =	0	X \$50.00 (1615)	\$ 0.00		
Independent Claims	3	- 3 =	0	X \$200.00 (1614)	\$ 0.00		
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00 (1616)			
Examination Fee				+ \$200.00 (1633)	\$ 200.00		
Search Fee				+ \$400.00 (1642)	\$ 400.00		
App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)							
TOTAL OF ABOVE CALCULATIONS =					\$ 900.00		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				+	\$ 0.00		
SUBTOTAL =					\$ 900.00		
Processing fee of \$130.00 (1618) for furnishing the English translation later than _____ months from the earliest claimed priority date (37 CFR 1.492(f)). <input type="checkbox"/> 20 <input type="checkbox"/> 30					\$ 0.00		
TOTAL NATIONAL FEE =					\$ 900.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +					\$ 40.00		
TOTAL FEES ENCLOSED =					\$ 940.00		
				Amount to be refunded :			
				charged :			
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.							
b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.							
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u> . A duplicate copy of this sheet is enclosed.							
d. <input checked="" type="checkbox"/> Charge <u>\$ 940.00</u> to credit card. Form PTO-2038 is attached.							
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.							
SEND ALL CORRESPONDENCE TO:							
Burns, Doane, Swecker & Mathis, L.L.P. P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620			 SIGNATURE				
			William C. Rowland NAME				
			30,888 September 21, 2005 REGISTRATION NO. DATE				

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
Philip St. John RUSSELL et al.)	Group Art Unit:
Application No.:)	Examiner:
Filed: September 21, 2005)	Confirmation No.:
For: PHOTONIC BANDGAP OPTICAL)	
WAVEGUIDE WITH ANTI-RESONANT)	
CORE BOUNDARY)	

**GENERAL AUTHORIZATION FOR PETITIONS
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. § 1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date: September 21, 2005

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